



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

DOT-E 9991
(FOURTH REVISION)

400 Seventh St., S.W.
Washington, D.C. 20590

APR 26 2001

EXPIRATION DATE: March 31, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: TRW Automotive
Queen Creek, AZ
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of certain Divisions 2.1, 2.2, 2.3, and 6.1 and Class 3 hazardous materials in non-DOT specification steel full-opening head, "salvage" cylinders for overpacking damaged or leaking packages of pressurized and non-pressurized hazardous materials. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.34, § 173.202, § 172.243, § 173.302, and § 173.304 except as specified herein.
5. BASIS: This exemption is based on the application of TRW Vehicle Safety Systems, Inc. dated April 24, 2001 submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Division 2.1 (except acetylene), 2.2, 2.3, 6.1, and Class 3 hazardous materials authorized in DOT specification cylinders.	2.1 2.2 2.3 6.1 3	As Appropri- ate	As Appropri- ate

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7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a stainless steel (SA 312), non-DOT specification, full opening head, "salvage" cylinder of welded construction. The "salvage" cylinder must be designed, constructed and stamped in accordance with Section VIII of the ASME Code for a maximum allowable working pressure (MAWP) of 1,000 psig and must conform with ETSC's drawing E 52 dated May 2, 1988, and other drawings on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA) as follows:

Maximum volume	4.8 gallons.
Material	SA 312 stainless steel.
Outside diameter	6.6 inches, nominal.
Length	42 inches, nominal
Sidewall thickness	.260 inch, min. (.280" nominal)
MAWP	1000 psig
Test pressure	1500 psig.
Openings:	Three (3) 1/4-inch NPT for gauges and valves

Sidewall, top Purge valve and gauge and analysis valve within a shield.

Sidewall, bottom Purge valve within a shield.
Pressure relief devices None.

b. TESTING -

1. Each salvage cylinder must be visually inspected (internally and externally) and hydrostatically tested at 1500 psig at least once every 2 years. The pressure must be stabilized and held for a period of 5 minutes without a leak.

2. Effective July 1, 2001, a record of test for each cylinder must be kept on file at the test facility and made available to a DOT representative upon request.

c. OPERATIONAL CONTROLS -

1. Each salvage cylinder must be plainly marked on the cylinder sidewall, 180 degrees apart, in letters at least 2 inches high on a contrasting background, "DOT-E 10323" and the words "SALVAGE CYLINDER".

2. Damaged cylinders containing liquefied gases with a vapor pressure exceeding 1000 psig at 70°F are not authorized to be transported under the terms of this exemption.

3. Nonliquefied gases in a damaged cylinder to be transported must be limited in pressure and volume so that if totally discharged into the salvage cylinder the pressure at 70°F will not exceed 1000 psig.

4. Each assembly must be securely lashed in an upright position to the motor vehicle by a securement system that conforms with the requirements contained in §§ 393.100 through DOT representative upon request 393.106.

5. Each salvage cylinder must be labeled as prescribed for the material in the damaged or leaking cylinder.

6. Each salvage cylinder must be cleaned and purged after each use.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS:

a. A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

b. Drivers must have been instructed as to necessary safeguards and proper procedures in the event of unusual delay, fire or accident. The loaded "salvage" cylinder must be delivered to the consignor or the consignee as soon as practicable. Drivers and other persons who load/unload or transport the salvage cylinder must be trained in handling and loading/unloading the salvage cylinder.

c. Transportation is limited to motor vehicles owned or leased by TRW Automotive, or by companies which have party status to this exemption, or owned or leased to contract carriers employed by TRW Automotive or by companies which have party status to this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

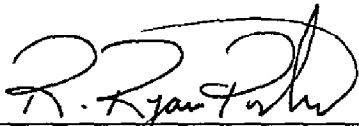
No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable.

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(Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



For Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, SW, Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: sln